PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				
To: ANDREW V. SMITH	PCT			
JACKSON & CO., LLP	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND			
6114 LA SALLE AVE., #507 OAKLAND, CA 94611-2802	THE WRITTEN OPINION OF THE INTERNATIONAL			
	SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 01 OCT 2008			
Applicant's or agent's file reference FN126-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date (day/month/year) 02 August 2007 (02.08.2007)			
PCT/US07/75136 Applicant	(dd)/monmy			
FOTONATION VISION LIMITED				
The applicant is hereby notified that the international sea have been established and are transmitted herewith.	rch report and the written opinion of the International Searching Authority			
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the cl	aims of the international application (see Rule 46):			
When? The time limit for filing such amendments i	s normally two months from the date of transmittal of the international			
where? Directly to the International Bureau of WIP 1211 Geneva 20, Switzerland, Facsimile No	O, 34 chemin des Colombettes			
For more detailed instructions, see the notes on the	.			
C	rch report will be established and that the declaration under the International Searching Authority are transmitted herewith.			
With regard to the protest against payment of (an) add	fitional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has be request to forward the texts of both the protest and	een transmitted to the International Bureau together with the applicant's			
no decision has been made yet on the protest; the a	pplicant will be notified as soon as a decision is made.			
4. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the international Seatching National International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international promise. examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for				
1 Office the time limit of 30 months (or later) will apply even if no demand is fried within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office, see the 15th Applicable time limits, office by Office by Office, see the 15th Applicable time limits, office by Office				
Name and mailing address of the ISA/ US	Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	JOHN B. STREGE V			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (703) 305-3800			
Facsimile No. (571) 273-3201 Form PCT/ISA/220 (January 2004)	(See notes on accompanying sheet)			

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OCT 0 8 2008

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FN126-PCT	ACTION as well as, who	Form PCT/ISA/220 ere applicable, item 5 below.
nternational application No.	International filing date (day/month/year) 02 August 2007 (02.08.2007)	(Earliest) Priority Date (day/month/year) 02 August 2006 (02.08.2006)
applicant OTONATION VISION LIMITED		
his international search report has been coording to Article 18. A copy is being	n prepared by this International Searching Aug transmitted to the International Bureau.	athority and is transmitted to the applicant
This international search report consists		in this report.
the internationa a translation of of a translation b. This international search reauthorized by or notified to c. With regard to any nucleo Certain claims were four Unity of invention is lack With regard to the title, the text is approved as sul		, which is the language rch (Rules 12.3(a) and 23.1(b)) the rectification of an obvious mistake
	abmitted by the applicant. Shed, according to Rule 38.2(b), by this Author From the date of mailing of this international sea	ity as it appears in Box No. IV. The applicant arch report, submit comments to this Authority
6. With regard to the drawings, a. the figure of the drawings to as suggested by as selected by the	be published with the abstract is Figure No. $\underline{2}$	iggest a figure.

Form PCT/ISA/210 (first sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/75136

		_		(tonda denta
D 537	TEXT OF THE ABSTRACT	(Continuation of	f Ltem 5 of t	me mest sneet)
DOLIV	IEAI OI IMB.	3		

is determined for a first collection of said first collection is stored using the statistical properties of original facial collection. The first and second collection of the first and second collection (super-collection)	ing with two or more collections of facial images is provided (figure 2). A representation framework of facial images including at least principle component analysis (PCA) features. A representation of the representation framework. A modified representation framework is determined based on all image samples of a second collection of facial images and the stored representation of the first ections are combined without using original facial image samples. A representation of the combined ections are combined without using original facial image samples. A representation of a current facial image, is stored using the modified representation framework. A representations of facial images of the representation framework, is compared with one or more representations of facial images of the comparing, it is determined which, if any, of the facial images within the combined collection

Form PCT/ISA/210 (continuation of first sheet(3)) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/75136

	SIFICATION OF SUBJECT MATTER G06K 9/00(2006.01)			
IPC:	G001 7000 2000.01)			
USPC:	382/115,118 International Patent Classification (IPC) or to both nation	onal classification and IPC		
B. FIELD	DS SEARCHED			
Minimum doc	cumentation searched (classification system followed by	classification symbols)		
	2/115,118			
Documentation	on searched other than minimum documentation to the e	extent that such documents are included in	the fields searched	
Electronic dat	ta base consulted during the international search (name	of data base and, where practicable, search	terms used)	
Ziccuomo da	Control of the contro	•		
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
A	US 5,164,992 (TURK et al) 17 November 1992 (17.1		1-34	
A	1-34			
Α	US 5,642,431 (POGGIO et al) 24 June 1997 (24.06.1997), the whole document.			
Further	r documents are listed in the continuation of Box C.	See patent family annex.		
* s	Special categories of cited documents:	"T" later document published after the inter date and not in conflict with the applica	mational filing date or priority	
	t defining the general state of the art which is not considered to be of	principle or theory underlying the inves	ntion	
· ·	relevance plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	claimed invention cannot be red to involve an inventive step	
"L" documen establish specified	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as)	"Y" document of particular relevance; the considered to involve an inventive step	when the document is combined	
"O" documen	t referring to an oral disclosure, use, exhibition or other means	with one or more other such document obvious to a person skilled in the art	s, such combination being	
	t published prior to the international filing date but later than the late claimed	"&" document member of the same patent t		
Date of the a	ctual completion of the international search	Date of mailing of the international search	ch report	
	008 (25.08.2008)	01 0C1 2008		
1	ailing address of the ISA/US	Authorized officer		
	il Stop PCT, Attn: ISA/US mmissioner for Patents	JOHN B. STREGE V		
P.C	D. Box 1450 exandria, Virginia 22313-1450	Telephone No. (703) 305-3800		

Facsimile No. (571) 273-3201
Form PCT/ISA/210 (second sheet) (April 2007)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	RITY				
To: ANDREW V. SMITH JACKSON & CO., LLP 6114 LA SALLE AVE., #507 OAKLAND, CA 94611-2802			PCT		
		WR	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
		INTERNATIO			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year)	01 OCT 2008		
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below		
FN126-PCT					
International application No.		nal filing date (day/month/year)	Priority date (day/month/year)		
PCT/US07/75136	02 Augus	t 2007 (02.08.2007)	02 August 2006 (02.08.2006)		
International Patent Classification (IPC) o	r both natio	onal classification and IPC			
IPC: G06K 9/00(2006.01) USPC: 382/115,118					
Applicant					
FOTONATION VISION LIMITED					
This opinion contains indications relations	ting to the	following items:			
Box No. I Basis of the			<u>.</u>		
	ориноп				
	chment of	opinion with regard to novelty, inv	entive step and industrial applicability		
Box No. IV Lack of uni	_		to povelty inventive step or industrial		
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain doc	uments cit	ed			
Box No. VII Certain def	ects in the	international application			
Box No. VIII Certain obs	ervations (on the international application			
2. FURTHER ACTION					
	ng Authori the IPEA	and the chosen IPEA has notified	Il be considered to be a written opinion of the es not apply where the applicant chooses an the International Bureau under Rule 66.1 bis(b) idered.		
of Form PCT/ISA/220 or before the	re appropri expiration	are with amendinents, before the	IPEA, the applicant is invited to submit to the expiration of 3 months from the date of mailing e, whichever expires later.		
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Forn	n PCT/ISA	J220.			
Name and mailing address of the ISA/ U	JS	Date of completion of this opinion	Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		25 August 2008 (25.08.2008)	JOHN B. STREGE		
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. (703) 305-3800					

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2007)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

nternational	app	lica	tion	No.

PCT/US07/75136

Box No. 1 Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of:
the international application in the language in which it was filed
a translation of the international application into, which is the language of a translation furnished for the purposes of
international search (Rules 12.3(a) and 23.1(b)).
Authority under Rule 91 (Rule 43bis. I(a)) 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
In electronic form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in electronic form.
furnished subsequently to this Authority for the purposes of search.
4. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:
·

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (April 2007)

International application No. PCT/US07/75136

Box No. V Reasoned statement under Rule applicability; citations and explain	43 <i>bis</i> .1(a)(i) nations supp	with regard to novelty, inventive step or in- orting such statement	dustrial
1. Statement			
Novelty (N)	Claims	1-34	YES
novely (14)		NONE	NO
Inventive step (IS)	Claims	1-34	YES
	Claims	NONE	NO
	O1 :		YES
Industrial applicability (IA)		<u>1-34</u> <u>NONE</u>	
	Ciannis	NONE	
2. Citations and explanations:			
Claims 1-34 meet the criteria set out in PCT Article : be made or used in industry.	33(4), and thus	have industrial applicability because the subject m	natter claimed can
Claims 1-34 meet the criteria set out in PCT Article : method/system for working with two or more collect based on statistical properties of original facial imagine first collection, combining the first and second co	tions of facial:	mages comprising: determining a modified represe second collection of facial images and the stored re	ntation tramework

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see *PCT Applicant's Guide*, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.